esse·ti TELECOMUNICAZIONI

Certificato n. 9110.ESTI
UNI EN ISO 9001:2000

Personalphone

# USER'S MANUAL

Installation and use

REGISTRED COMMUNITY DESIGN
DESIGN COMUNITARIO REGISTRATO

CE

# Thank you for choosing an Esse-ti product

This product has been especially designed for easy operation. It has been manufactured with perfect workmanship using suitable materials for long-lasting performance.
All Esse-ti products are subjected to extensive reliability and operational testing in our laboratories in order to provide total guarantee for the user.

The User shall be responsible for defects arising from the use of the product. Esse-ti shall only be responsible for defects according to and within the limitations set by the Presidential Decree dated 24/05/1988 no. 224 (fulfilling the EEC directive no. 85/374 on the harmonisation of statutory and administrative regulations of the Member States on the liability for damages arising from defective products under art. 15 of Law no. 183 of 16 April 1987).

Esse-ti reserves the right to modify the characteristics of the products at any time without prior notice.

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# EDITING CRITERIA

This paragraph describes the editing criteria followed in this manual, together with their meaning for easier user's reference. The following table shows the printing styles on the left and their meaning on the right column.

| Example | Meaning |
|---|---|
| **CHAPTER TITLE** | Style used for the title of chapters. A new chapter begins on a new page. |
| ***PRIMARY TITLE*** | Style used for the title of large sections in a chapter, such as the main titles of the chapter. |
| **Secondary Title** | Style used for the title of a specific paragraph in the primary title. |
| *Tertiary Title* | Style used for additional sections in a specific paragraph |
| *Example* | Style used for examples. |
| *Note* | Style used for explicatory notes: pay attention! |
| **Warning** | Style used to indicate possible risks for individuals and properties: caution! |
| Normal text | Style used for normal text. |
| ➢ Operation to be carried out | Style used to indicate the sequence of operations that must be carried out for programming or service implementation. |

Apart from these styles, this manual also includes illustrative images and symbols used to represent the operations to be carried out in a schematic way:

| Symbol | Meaning |
|---|---|
| 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, #, *, R. | Press the key that corresponds to the symbol on the telephone keypad. |
| X | Indicates a telephone key: this symbol is used in programming to indicate the entries made by the operator. |
| | Lift the handset from the Administrator extension (or activate the handsfree mode) to engage the line. |
| | Lift the handset (or activate the handsfree mode) to engage the line. |
| | Replace the handset (or deactivate the handsfree mode) to clear the line. |
| | The vertical bar indicates that the possible entry values are ‘A’ or ‘B’. |
| A \| B | The square brackets indicate optional code parts that can be omitted. |
| A [B] | Press the key that corresponds to the symbol on the telephone keypad. |

# GENERAL INSTRUCTIONS FOR THE INSTALLER

## GENERAL NOTES

Carefully read the notes contained in this section as they provide important information on the correct safe installation, use and maintenance of the product.

- The product must be EXCLUSIVELY used for the purpose it was designed for. Esse-ti shall not be responsible for damages arising from improper use.
- The product has been designed in compliance with the regulations in force and must be installed in system that comply with the provisions of law.
- Always refer to an authorised assistance centre for repair.
- Install the product in a well-ventilated place, making sure not to obstruct the ventilation slots.
- Beware of symbols showing lightening with arrow inside a triangle since they indicate the presence of dangerous voltage.
- Beware of symbols showing an exclamation mark inside a triangle since they indicate potentially dangerous or even lethal situations that require utmost attention.
- For information on how to use the product see the paragraph "Technical Features".
- Do not use the product in association with other electric or electronic devices that were not especially designed to be used with it.
- Do not install the product in potentially explosive environments.
- Make sure that the product has been installed as required.
- Do not introduce objects, liquids or powders inside the product. Do not use sprays inside the product.
- Do not open the product case since it does not contain any user-serviceable parts. If necessary, contact an authorised assistance centre.
- In case of gas leaks in the environment do not use the telephone to make an emergency call.
- When replacing the batteries, arrange for suitable disposal with similar waste.
- Packing components (such as plastic bags, foam polystyrene, etc.) must be kept out of the reach of children because potentially dangerous.

# *MAKING THE INSTALLATION*

Internal telephone installations must be carried out by specialised personnel.

The installation and connection of telephone terminals to the telecommunications network that do not comply with the regulations in force is not permitted.

# INSTALLATION

PERSONAL PHONE is a telephone system developed to be used with all Esse-Ti telephone switchboards.
PERSONAL PHONE can be used by means of a USB port and the PERSONAL PHONE SUITE directly from a personal computer.

The connection to the switchboard must be carried out by means of a four-wire telephone cable, as described in the following paragraphs. When the telephone is connected to four wires, the entire system's telephone activity is visualised. Without a power source, the telephone acts as a normal BCA.

PERSONAL PHONE is ready for use as soon as the following simple operations have been carried out.

## *HANDSET CONNECTION*

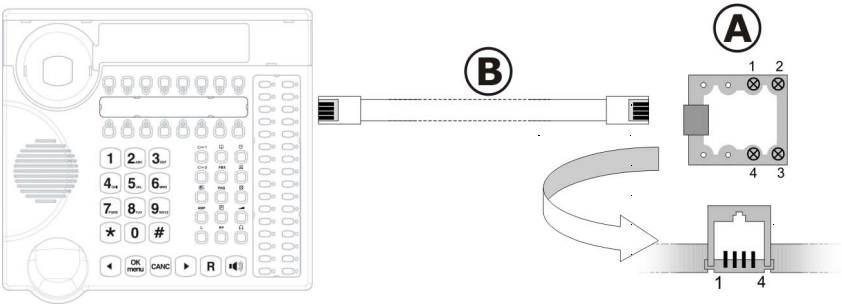
Insert the spiral cable plug with the short end in the handset socket.
Insert the other plug into the smallest socket on the button of the telephone as indicated with the icon. Check that the plug is properly attached and that the flat part of the cable is inserted into the correct channel.

## *HEADSET CONNECTION*

A headset can be connected as an alternative to the handset.
Insert the headset plug into the smallest socket on the bottom of the telephone, indicated with the icon.
Check that the plug is properly attached and that the flat part of the cable is inserted in the correct channel. The handset must be inserted, however, in its corresponding base. Press the key to engage and disengage the phone line.

# TELEPHONE LINE CONNECTION

Insert the telephone cable plug into the LINE socket on the bottom of the telephone, insert the cable into the correct channel and connect the other end to the telephone socket.




A: Open telephone socket
B: Inverted type cable

| Plug 6/4 | |
|---|---|
| Pin 1 | Data line – |
| Pin 2 | Internal connection |
| Pin 3 | |
| Pin 4 | Data line + |

# EXTENSION POSITION AND SWITCHBOARD MODEL PROGRAMMING

**These parameters must be programmed for proper telephone operation.**

Switchboard model programming: allows the user to set the switchboard model which the telephone is connected to.
Extension position programming: allows the user to set which port the telephone switchboard is connected to.

Select “Settings->Select PBX model” from the menu and choose the type of switchboard to which the telephone is connected from the list (see page 29). The extension position programming screen will now be automatically accessed. Enter the extension position number to which the telephone will be associated (see page 30).

## REGULATING DISPLAY CONTRAST

Allows display contrast adjustment. Select “Settings->Contrast” (see page 29) from the menu. The telephone display must be adequately illuminated for best legibility.

## CARDS

This telephone kit includes small cards to be positioned in the spaces at the bottom of the display and on the DSS.
The DSS card must be correctly filled in, while the other card is to be chosen according to the connected telephone switchboard.

Europa 160-280, Europa STAR, TA28:

| L1 | L2 | M1 | M2 | M3 | M4 | M5 | M6 |
|---|---|---|---|---|---|---|---|
| CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK | BOSS SECRETARY | THREE-WAY CONFERENCE | CALL INTRUDE | CALL PICK UP | ROOM MONITOR |

Leonardo:

| L1 | L2 | M1 | M2 | M3 | M4 | M5 | M6 |
|---|---|---|---|---|---|---|---|
| CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK | SELECTIVE CALL PICK UP | THREE-WAY CONFERENCE | TRUNK-TRUNK CONVERATION | GSM CREDIT | LISTEN TO MESSAGES IN THE VOICE MAIL UNIT |

CT312:

| L1 | L2 | L3 | M1 | M2 | M3 | M4 | M5 |
|---|---|---|---|---|---|---|---|
| CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK | BOSS SECRETARY | THREE-WAY CONFERENCE | CALL INTRUDE | CALL PICK UP | ROOM MONITOR |

CT416:

| L1 | L2 | L3 | L4 | M1 | M2 | M3 | M4 |
|---|---|---|---|---|---|---|---|
| CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK | BOSS SECRETARY | THREE-WAY CONFERENCE | CALL INTRUDE | CALL PICK UP | ROOM MONITOR |

CT624:

| L1 | L2 | L3 | L4 | L5 | L6 | M1 | M2 |
|---|---|---|---|---|---|---|---|
| CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK | SELECTIVE CALL PICK UP | THREE-WAY CONFERENCE | TRUNK-TRUNK CONVERATION | CALL PICK UP | LISTEN TO MESSAGES IN THE VOICE MAIL UNIT |

CT624 Hotel, Smile PLUS, FOX 90:

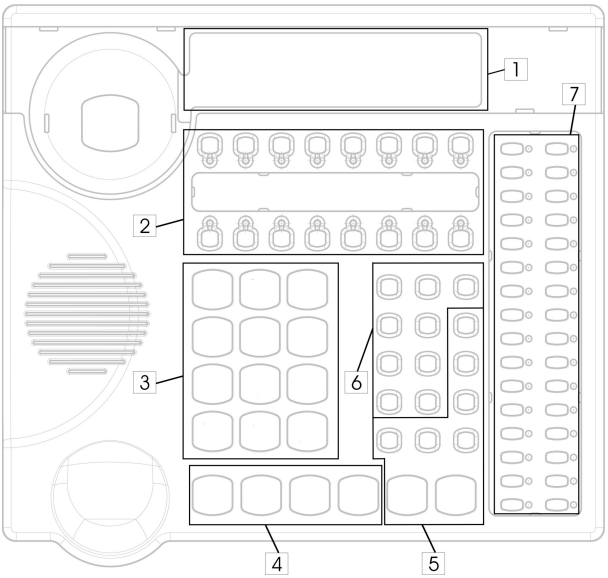
| L1 | L2 | L3 | L4 | L5 | L6 | M1 | M2 |
|---|---|---|---|---|---|---|---|
| CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK | CHECK-IN | CHECK-OUT | ROOM STATE | PRINTS | BOOTH |

Polaris PLUS, FOX 70:

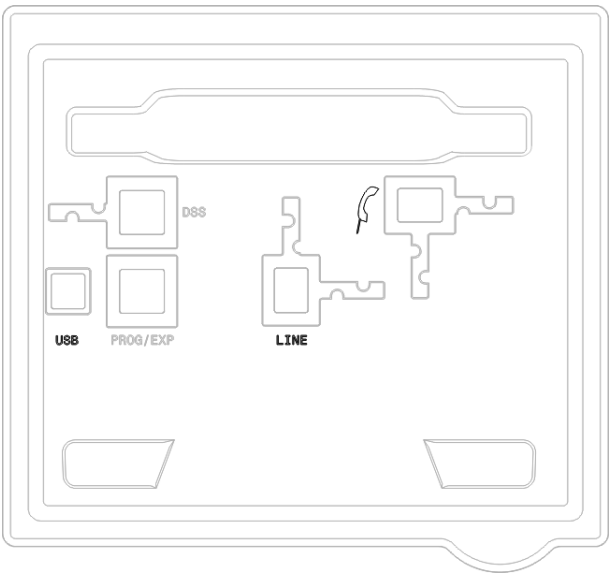
| L1 | L2 | L3 | L4 | L5 | CALL FORWARDING | DO NOT DISTURB | AUTOMATIC RING BACK |
|---|---|---|---|---|---|---|---|
| L6 | L7 | L8 | L9 | L10 | SELECTIVE CALL PICK UP | THREE-WAY CONFERENCE | TRUNK-TRUNK CONVERATION |

# FUNCTIONAL DESCRIPTION

Front view




Back view



Functional elements

| Front view | Back view |
|---|---|
| 1) Display | : handset plug |
| 2) Customisable keys | LINE: telephone line plug |
| 3) Telephone keypad | USB: computer socket |
| 4) Navigation menu | DSS: not utilised |
| 5) Telephone line operations | PROG/EXP: not utilised |
| 6) Telephone switchboard services | |
| 7) DSS | |

*From this point on, reference to the above numbering will be made to identify the relative key/LED groups. For example, when speaking of a group of 16 upper keys (those arranged on two lines), reference will be made to "Group 2 keys".*

# VISUAL INFORMATION

The PERSONAL PHONE telephone offers an entire series of visual information which allows at-a-glance switchboard status. This information is indicated by means of the display and with the LED lights which correspond to the keys.

## *DISPLAY INFORMATION*

The symbols and messages which can appear on the LCD display are described below.

*The developed signals displayed (data, caller ID or CLI, etc.) are not visualised if the PERSONAL PHONE telephone is connected to a non-"K" switchboard.*

### Symbol description

| | | | |
|---|---|---|---|
| | Call forwarding | | Night programme active |
| | Alarm clock | | Day programme active |
| | PC connection | | Microphone off |
| | Pricing | | Ringer off |
| | Telephone locked | | Handsfree active |
| | Voicemail messages | | Voicemail unit active |

### Messages when telephone is idle

```
21 Jun 2007 10:25
2 missed calls
```

1st line: date and time
*Message available only with Polaris PLUS, Smile PLUS, FOX 70, FOX 90, CT624, Leonardo switchboards and "K"-type switchboards equipped with a clock*
2nd line: message according to the following priorities:

- *System advisory message;*

- *Missed calls;*
- *General system message;*
- *Customisable logo (in textual format).*

## Messages when telephone rings

Outside calls:
1st line: date and time
2nd line: caller ID (CLI) (based on the local phone line and the switchboard):

- *Alphanumeric ID from the switchboard;*
- *Alphanumeric ID associating the telephone contacts index with the ID number from the switchboard;*
- *ID number from the switchboard;*

```
21/Jul/2005 10:25
John Smith
```

```
21/Jul/2005 10:25
+390717505226
```

- *"<<< CALL >>>" message in the absence of any ID.*

```
21/Jul/2005 10:25
<<< CALL >>>
```

Inside calls:
1st line: date and time
2nd line: caller ID (CLI):

- *Alphanumeric ID (available only with Polaris PLUS, Smile PLUS, FOX 70, FOX 90, CT624 and Leonardo switchboards);*

```
21/Jul/2005 10:25
James Black
```

```
21/Jul/2005 10:25
Extension: 02
```

- *" <<< CALL>>>" message (available with all other switchboards).*

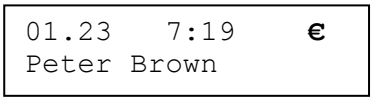
```
21/Jul/2005 10:25
<<< CALL >>>
```

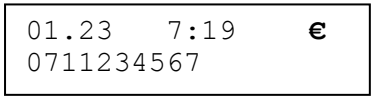
## Message during number dial

```
21/Jul/2005 10:25
0711234567
```

1st line: date and time
2 nd line: number dialled

## Message during conversation




1st line: call cost and remaining credit, call length, € icon.

2nd line: number dialled:

- *Alphanumeric ID associating the telephone contacts index with the number dialed;*
- *Numeric or alphanumeric ID from the switchboard;*
- *Number dialed.*

## *LED LIGHT INFORMATION*

The PERSONAL PHONE is equipped with 48 LEDs:

-16 are associated with the customisable keys situated under the display;

-32 are associated with the DSS customisable keys.

LED illumination depends on the activity of its corresponding key.

The LEDs corresponding to keys L1...Lx were set to indicate outside line status, while the LEDs corresponding to the DSS keys were set to indicate inside line status as described in the following table:

| LED Status | Meaning |
|---|---|
| Off | Free receiver |
| On | Receiver in conversation |
| Slow flashing | Receiver busy |
| Fast flashing | Ring |
| On with brief switch-offs | Parked call |

*Example:*

*If the LED corresponding to key L1 is permanently lit, it means that that line is busy and therefore it is not possible to use it until it is free. When the line is free, the corresponding LED switches off, signalling that the line can now be used.*

If the keys are reprogrammed and associated with other functions, their corresponding LEDs follow this new programming and their respective tasks.

If the total number of external or internal line numbers is less than the keys provided, the remaining LEDs will remain switched off until the relative keys are programmed for use.
The LEDs corresponding to keys M1...Mx and to the function keys will light up for approximately four seconds to signal that their keys have been pressed.

*If the PERSONAL PHONE shall be connected to a non-"K" switchboard, the LED lights may differ from the above-detailed definitions (for example, no flashing may occur).*

# KEYS

Description of the set functions assigned to keys, depending on their switchboard type. Users can however programme keys according to their own needs.

*Group numbering definitions are described in the chapter:*
*"FUNCTIONAL DESCRIPTION" (page. 14).*

## *CUSTOMISABLE GROUP KEYS (2)*

These keys permit the user to make calls or request switchboard services.
The functions associated with each key are programmable and depend on the switchboard to which the telephone is connected. If the key corresponds to a switchboard service, instructions for use will be visualised on the display when it is pressed.

It is possible associate one of the following functions to each key:

- *Extension*: sends a call to another extension;
- *Trunk line*: engages the outside line;
- *Direct dial*: dials a number or a code;
- *Card ID*: sends a call to a card;
- *Phonebook contact*: sends a call to a number in the telephone phonebook;
- *PBX function*: requests one of the services offered by the switchboard.

Default functions are indicated on the card inserted in the space provided between the two rows of keys:

| | |
|---|---|
| **L1...L10** | External line keys. Allows the outside line to be used for dialling, or the resumption of a line after call parking. These are freely programmable. |
| **M1...M6** | Programmable keys. The manufacturer has set these keys to empty. |

| | |
|---|---|
| **CALL FORWARDING** | Enable/Disable the Call forwarding on no answer function, the Call forwarding on busy function and the Follow me function. |
| **DO NOT DISTURB** | Enable/Disable the Do not disturb function. |
| **AUTOMATIC RING BACK** | Reserve an extension or a trunk line engaged. |
| **BOSS-SECRETARY** | Enable/Disable the Boss-secretary function. |
| **3-WAY CONFERENCE** | Starts the three-way conference. |
| **CALL INTRUDE** | Permits an extension to intrude into a conversation on another busy extension on another line. |
| **CALL PICK-UP** | Permits the user to answer an outside call from a different extension. |
| **ROOM MONITOR** | Allows the user to listen in on an area where another telephone has been positioned. |
| **SELECTIVE CALL PICK-UP** | Permits the user to answer a direct call from a different extension. |
| **TRUNK-TRUNK CONVERSATION** | Permits the connection of two local lines via an operator. |
| **LISTEN TO MESSAGES IN THE VOICE MAIL UNIT** | Permits the user to listen to voice mail messages. |
| **GSM CREDIT** | Permits the user to visualise remaining SIM card credit. |
| **CHECK IN** | Enable outside calls in a room. |
| **CHECK OUT** | Disable outside calls in a room. |
| **ROOM STATE** | Displays the room state. |
| **PRINTS** | Permits the system administrator to execute different types of printouts. |
| **BOOTH** | Permits the system administrator to manage the booths. |

## TELEPHONE KEYPAD GROUP (3)

The basic function of these keys is to dial telephone numbers. When the **Phonebook** 🕮 key has been pressed for 2 seconds, phone keys 0 to 9 relate to the rapid dialling of 10 set contacts index numbers ("0" indicates the 10th position).
In writing alphanumeric texts, the repeated pressing of a key permits a choice of desired letter or number. Pressing the ***** key allows letter entry mode (Ab, AB, ab). Extended pressing of the ***** key permits cursor modification and therefore entry and modification method selection. Once all data has been entered, press **OK** for confirmation, or else press **CANC** to delete the entry.

## NAVIGATION MENU GROUP KEYS (4)

These keys consent navigation within the menu.

| | |
|---|---|
| ◀ | (scrolling key) Moves the display onto the preceding line or cancels the last text entered.<br>Permits access to the Incoming Calls Log. |
| **OK**<br>**menu** | (confirmation key / menu) Permits access to the Menu, confirms data or selection. |
| **CANC** | (delete key) Cancels or goes back. |
| ▶ | (scrolling key) Moves the display onto the next line or moves cursor position ahead during alphanumeric text entry.<br>Permits access to the Outgoing Calls Log. |

The navigation menu mechanism is "hierarchical": it moves access from one position to another sub-category or goes back up to the preceding category.

## SWITCHBOARD SERVICES GROUP KEYS (6)

These keys permit activation of switchboard services.

| | |
|---|---|
| | Opens port 1. |
| | Opens port 2. |
| | Connects to the intercom position. |
| AMP | Connects with the external amplifier (for switchboards offering this service). |
| | Parks the local phone line in conversation. Extended pressing of this key causes line status display. |
| PAG | Advises the switchboard to make a call in paging mode (for switchboards offering this service) |
| PBX | Retrieves a number from the switchboard contacts index. |
| | Allows access to the telephone contacts index. Extended pressing of this key permits access to the speed dial menu. |
| | Sets the alarm clock function. (for switchboards offering this service). |

## TELEPHONE LINE OPERATION GROUP KEYS (5)

| | |
|---|---|
| | Switches off ringer. Press this key again to switch ringer back on. Extended pressing of this key permits access to the “Ring volume” menu. |
| | Disconnects the microphone from the line. Press this key again to re-activate the microphone. |
| | Consents volume adjustment for telephone calls in progress. Extended pressing of this key permits access to the “Audio” menu. |
| | Engages the phone line with the telephone headset. Press this key again to disengage the line. |
| RP | Repeats the last number dialled. |

| | |
|---|---|
| L | Disengages the line for approximately 0.5 seconds and then engages it again. |
| **R** | Puts a conversation on hold (for example to transfer the call to another extension).<br>Permits access to the Missed Calls Log. |
| | Engages the line with handsfree. Press this key again to disengage. |

## *DSS GROUP KEYS (7)*

The DSS module, equipped with 32 keys and their corresponding LEDs, allows all types of quick selection and consents at-a-glance telephone system activity monitoring.

The manufacturer has set this group for making direct inside calls and to visualise its status.

The DSS module buttons are, however, programmable for the rapid implementation of many types of selections or to request available switchboard services.

# DESCRIPTION OF MENU FUNCTIONS

All the functions accessible via the guided display menu are described below.

*Visualisation and programming are possible with the microphone either off (if the connection is 4-wired) or on.*

| | |
|---|---|
| **Calls list** | All |
| | Incoming |
| | Outgoing |
| | Missed |
| **Phonebook** | List |
| | New contact |
| | Options |
| **Settings** | Date and Time *(Europa160, Europa280, CT126, TA28 only)* |
| | Contrast |
| | Select PBX model |
| | Extension position |
| | Outgoing calls |
| | Buttons programming |
| | Change unlock code |
| | Audio |
| | Localize |
| | Change logo |
| | Restore defaults |
| **Function** *(*depending on the PBX model*)* | Call return |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Three-way conference |
| | Automatic ring back |
| | Trunk-trunk conversation |
| | Selective pick up |

| | |
|---|---|
| | Call pick up |
| | Call intrude |
| | Room monitor |
| | Boss/Secretary |
| | Credit |
| | GSM credit |
| | Listen to messages in the voice mail unit |
| | Prints |
| | Time band |
| **Hotel** *(CT624 Hotel, Smile PLUS, FOX 90 only)* | Check-in |
| | Billing |
| | Booths |
| | Prints |
| | Alarm clock |
| | Credit |
| | Room state |
| | Check-out |
| **Version** | |
| **Phone lock** | |

## MENU ACCESS

- Press the **menu** key to access the menu.

## CALLS LIST

The last 20 calls (made, answered, not answered) are memorised in the Calls list.

- Select **Calls list** and press **OK**.
- Select:
  -**All** to visualise all calls;
  -**Incoming** to visualise all answered incoming calls;
  -**Outgoing** to visualise all calls made;
  -**Missed** to visualise all unanswered incoming calls.

- Press **OK** to confirm.
- Utilise the scroll keys to search through the selected list.

The number/name, date and time will be displayed for each call.

- Select a call and press **OK**.
- The new menu will be displayed. Select:
  -**Call** to call the number;
  -**Save** to save the number in the telephone contacts index;
  -**Delete single** to delete the call;
  -**Delete all** to cancel the entire list.
- Press **OK** to confirm and follow display instructions.

*To call a phone number shown on the display, simply lift the handset or press the handsfree, headset or any line key.*

# *PHONEBOOK*

It is possible to memorise up to 80 names/telephone numbers in the phonebook.

- Select **Phonebook** and press **OK**.

## List

Allows visualisation of the complete list of memorised names/numbers. All contacts can be called, modified or deleted.

- Select **List** and press **OK**.
- Utilise the scroll keys to search the log to find the desired contact.

The display will show the selected name and telephone number alternately.

- Press **OK**.
- Select:
  -**Call** to call a contact;
  -**Modify** to modify the contact;
  -**Delete single** to cancel the contact.
- Press **OK** to confirm and follow display instructions.

## New contact

Permits the addition of new contacts into the phonebook.

- Select **New contact** and press **OK**.
- Enter the telephone number and press **OK**.
- Enter the corresponding name (alphanumeric entry mode) and press **OK**.
- Utilise the scroll keys to select the ring tone to be associated with that contact and press **OK**.

*The telephone number entered does NOT have to be preceded by any telephone switchboard access digits.*

# Options

*Speed dial*

Permits the association of numeric keypad keys 0~9 with 10 numbers in the phonebook for speed dialling.

- Select **Options** and press **OK**.
- Select **Speed dial** and press **OK**.
- Utilise the scroll keys to select the desired key, then press **OK**.

The phonebook will be shown on the display.

- Utilise the scroll keys to select the contact to be associated to that number, then press **OK**.

This same menu can be rapidly accessed by the extended pressing of the **Phonebook** 🕮 key.

*Memory state*

Permits visualisation of contacts status.

- Select **Options** and press **OK**.
- Select **Memory status** and press **OK**.

The display will show: XX % free, YY/80.

XX = percent of phonebook space free.

YY = number of phonebook positions free.

80 = total memory positions available in the phonebook.

*Delete all the contacts*

Permits to erase all contacts of phonebook.

- Select **Options** and press **OK**.
- Select **Delete all the contacts** and press **OK**.

- Press **OK** to confirm and follow display instructions.

# *SETTINGS*

- Select **Settings** and press **OK**.

## Date and time *(Europa160-280, CT126, TA28 only)*

The Europa160, Europa280, CT126 and TA28 switchboards are not equipped with an internal clock. The following programming allows telephone clock setting.

- Select **Date and time** and press **OK.**
- Enter the day (two digits), the month (two digits) and the year (four digits).
- Enter the hour (two digits) and minutes (two digits).
- Press the **OK** key to confirm.

*As the PERSONAL PHONE is not equipped with batteries, the clock will work as long as the telephone is connected to the switchboard and the switchboard is powered.*

## Contrast

Permits display contrast regulation. There are 14 available levels.

- Select **Contrast** and press **OK**.
- Utilise the scroll keys to increase or decrease contrast.
- Press **OK** to confirm, press **CANC** to cancel.

## Select PBX model

Permits setting of the type of switchboard the telephone is connected to. This parameter must be programmed in order for proper PERSONAL PHONE functioning.

- Select **Select PBX model** and press **OK**.
- Select the switchboard model:

Europa160, Europa280, CT126

EuropaSTAR
Leonardo
CT312
CT416
CT624
CT624 Hotel
PolarisPLUS, FOX70
SmilePLUS, FOX90
TA28.

- Press **OK** to confirm.

The display automatically visualises the Extension position setting.

## Extension position

Permits the setting of which switchboard port the telephone is connected to. This parameter must be programmed in order for proper PERSONAL PHONE functioning.

- Select **Extension position** and press **OK**.
- Enter the Extension position number (1..N) and press **OK**.

*For switchboards up to CT416, enter an INCREASING number associated to the extension the telephone is connected to. For example, for extension 41, enter 1…for extension 49 enter 9, for extension 51 enter 10, etc.*

*For the CT624, Polaris, Smile and FOX switchboards, enter a number between 1 and 8 according to the connection on the Extension board to which the telephone is connected. Or else, enter an INCREASING number associated with the extension the telephone is connected to. For example, for extension 401 enter 1,…for extension 409 enter 9, for extension 411 enter 11, etc.*

## Outgoing calls

*Trunk line seize*

Permits activation of the automatic access function to the external line for numbers memorised in the telephone. If said function is active, the telephone automatically enters the "seizure digit" (i.e. 0) before the number memorised in

the phonebook or before numbers present in the incoming calls list or when using the RP key.

Thanks to this option, it is therefore unnecessary to enter the "seizure digit" when memorising phone numbers, nor is it necessary to open an outside line before making a call.

- Select **Outgoing calls** and press **OK**.
- Select **Trunk line seize** and press **OK.**
- Select **Yes** to activate the function or **No** to deactivate it, then press **OK**.

*Seizure digit*

Permits entry of digit for access to external line.

- Select **Outgoing calls** and press **OK**.
- Select **Seizure digit** and press **OK.**
- Enter the switchboard external line access digit.
- Press **OK** to confirm.

# Buttons programming

Permits programming of Group 2 keys and of Group 7 keys (DSS).

- Select **Buttons programming** and press **OK**.

"Press a button" will be shown on the display.

- Press the key to be programmed.

"Modify?" will be shown on the display.

- Press **OK** to programme the key or **CANC** to exit.
- Utilising the scroll keys, select the desired option:
  -**Extension**;
  -**Trunk line**;
  -**Direct dial**;
  -**Card ID**;
  -**Phonebook contact**;
  **-PBX function**;
  -**None**.
- Press **OK** to confirm.
- Enter, respectively, an extension position, an external line number, a direct number (or a switchboard programming code), a card index or

select a number from the phonebook or one of the available switchboard services.

The data to be entered varies depending on the model of switchboard selected.

- Press **OK** to confirm.

*With the "Direct dial" or "Phonebook number" options, the LEDs corresponding to the buttons will briefly light up when the key is pressed, and then the key will remain switched off; for all others, the LEDs display the status of the option selected.*

*When the "Direct dial" option is selected, if the number to be memorised is a telephone number, it is necessary to also enter the digit for access to external line.*

*It is possible to enter into buttons programming mode simply by keeping the key to be programmed pressed until the display reads "Modify?"*

## Change unblock code

Permits modification of the code blocking the telephone.

- Select **Change unlock code** and press **OK**.
- Enter the current code (4 digits) and press **OK**.
- Enter the new code (4 digits) and press **OK**.
- Enter the new code again and press **OK**.

*The code preset by the manufacturer is 0000.*

## Audio

Permits handset, handsfree, and ringer volume adjustment and allows ring tone selection. Also permits keypad dialling tone enabling or disabling.

- Select **Audio** and press **OK**.

*Adjust volume*

- Utilising the scroll keys, select the desired option:
  -**Handset volume**;
  -**Handsfree volume**;
  -**Ring volume**.
- Press **OK**.
- Utilise the scroll keys to increase or decrease volume.

- Press **OK** to confirm, press **CANC** to cancel.

*Ring tone*

- Select **Ring tone** and press **OK**.
- Utilise the scroll keys to select the desired ring tone.
- Press **OK** to confirm, press **CANC** to cancel.

*Keypad tones*

- Select **Keypad tones** and press **OK**.
- Select **No** if no tones are desired during dialling.
- Press **OK** to confirm, press **CANC** to cancel.

## Localize

Permits the setting of language, date and time format and the date separator character.

- Select **Localize** and press **OK**.

*Language*

- Select **Language** and press **OK**.
- Utilise the scroll keys to select the desired language.
- Press **OK** to confirm, press **CANC** to cancel.

*Date format*

- Select **Date format** and press **OK**.
- Utilise the scroll keys to select the desired format.
- Press **OK** to confirm, press **CANC** to cancel.

*Time format*

- Select **Time format** and press **OK**.
- Utilise the scroll keys to select the desired format.
- Press **OK** to confirm, press **CANC** to cancel.

*Date separator*

- Select **Date separator** and press **OK**.
- Utilise the scroll keys to select the desired character.
- Press **OK** to confirm, press **CANC** to cancel.

## Change logo

Permits the setting of the message visualised on the bottom line of the display when the telephone is idle.

- Select **Change logo** and press **OK**.
- Enter the message text (max 40 letters/numbers) and press **OK**.

## Restore defaults

Automatically resets all manufacturer settings for ringer type and volume and handsfree and handset volume. Also permits language, PBX model and extension position resetting.

- Select **Restore defaults** and press OK.

"Are you sure?" will be shown on the display.

- Press **OK** to confirm or press **CANC** to cancel.
- Utilise the scroll keys to select the desired language and press **OK**.
- Utilise the scroll keys to select the desired PBX model and press **OK**.
- Enter the extension position and press **OK**.

# *FUNCTIONS*

Permits requests for available switchboard services. Some of these services can be requested by default via the customisable Group keys.

- Select **Function** and press **OK**.
- Utilise the scroll keys to select the service desired and press **OK**.
- Follow the display instructions as necessary.

| | |
|---|---|
| **Europa160, Europa280, CT126, EuropaSTAR** | Room monitor |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Boss/Secretary |
| | Three-way conference |
| | Automatic ring back |
| | Call intrude |
| | Call pick up |
| | Time band |
| **Leonardo** | Call return |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Three-way conference |
| | Automatic ring back |
| | Trunk-trunk conversation |
| | Selective call pick up |
| | Call pick up |
| | Listen to mess. in the voice mail unit |
| | GSM credit |
| | Time band |
| **CT312, CT416** | Room monitor |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Boss/Secretary |
| | Three-way conference |
| | Automatic ring back |
| | Call intrude |

| | |
|---|---|
| | Selective call pick up |
| | Call pick up |
| | Time band |
| **CT-624** | Call return |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Three-way conference |
| | Automatic ring back |
| | Trunk-trunk conversation |
| | Selective call pick up |
| | Call pick up |
| | Prints |
| | Listen to mess. in the voice mail unit |
| | Time band |
| **CT-624 Hotel** | Call return |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Three-way conference |
| | Automatic ring back |
| | Trunk-trunk conversation |
| | Selective call pick up |
| | Call pick up |
| | Listen to mess. in the voice mail unit |
| | Time band |
| **PolarisPLUS, FOX70** | Call return |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Three-way conference |
| | Automatic ring back |
| | Trunk-trunk conversation |
| | Selective call pick up |
| | Call pick up |
| | Prints |
| | Time band |

| | |
|---|---|
| **SmilePLUS, FOX90** | Call return |
| | Do not disturb |
| | R-pulse over the trunk line |
| | Call forwarding |
| | Three-way conference |
| | Automatic ring back |
| | Trunk-trunk conversation |
| | Selective call pick up |
| | Call pick up |
| | Time band |
| **TA28** | Room monitor |
| | Do not disturb |
| | Call forwarding |
| | Boss/Secretary |
| | Three-way conference |
| | Automatic ring back |
| | Call intrude |
| | Call pick up |
| | Time band |

# *HOTEL (CT624HOTEL, SMILEPLUS, FOX90 ONLY)*

Permits access to hotel services.

*Room numbers must be entered without the initial '4'.*

- Select **Hotel** and press **OK**.

## Check-in

Permits enabling of outgoing calls to a room.

- Select **Check-in** and press **OK**.
- Utilise the scroll keys to select the type of check-in to be set (0..3) and press **OK**.
- Enter the number of room to be set for operation and press **OK** to confirm.

*Acknowledgment of the operation will be heard via the loudspeaker: a confirming tone indicates a positive outcome whereas an acoustic deterrent device indicates that the operation has not been successful.*

*If check-in is carried out when the room is free (check-out status), all room debits and the telephone activity log will be cancelled automatically.*

## Billing

Permits total visualisation of the costs debited to a room.

- Select **Billing** and press **OK.**
- Enter the room number and press **OK.**

The room costs will be shown on the display.

## Booths

Permits access to activation, deactivation and phone box cost display functions.

- Select **Booths** and press **OK.**
- Utilising the scroll keys, select the desired option:
  -**Enable**;
  -**Show billing**;
  -**Disable**.
- Press **OK.**
- Enter the phone box number (1...4) and press **OK.**

*Enable*

Enables the phone box to execute external calls.

*Show billing*

Permits visualisation of the total costs corresponding to the phone box.

*Disable*

Disables the phone box from executing external calls.

## Prints

Permits diverse types of printouts.

- Select **Prints** and press **OK.**

*In case of switchboards Smile PLUS and FOX 90, all printouts available from this menu are active only if the P.O. Smile PLUS or ST800-S consoles are not connected.*

The available functions are as listed below:

*Cancel*

Allows the cancelation of any printing in progress.

- Select **Cancel** and press **OK.**

*ALL logs*

Permits printing of the entire switchboard buffer memory.

- Select **ALL logs** and press **OK.**

*ALL daily logs*

Permits printing of switchboard buffer memory contents from a single specified day.

- Select **ALL daily logs** and press **OK.**
- Enter the date of the day to be printed, in the DDMMYYYY format (DD=day – 2 digits, MM=month – 2 digits, YYYY=year – 4 digits) and press **OK.**

*ALL room logs*

Permits printing of the designated room extensions.

- Select **ALL room logs** and press **OK.**

*EXT daily logs*

Permits printing of all telephone activity of a selected room on a given day.

- Select **EXT daily logs** and press **OK.**
- Enter the date of the day to be printed (in the DDMMYYYY format) and press **OK.**
- Enter the room number of the room log to be printed and press **OK.**

*EXT details*

Permits printing of a room's telephone activity in detail.

- Select **EXT details** and press **OK.**
- Enter the room number of the room log to be printed and press **OK.**

*EXT billing*

Permits printing of the total expense of a given room without printing the details of the telephone activity.

- Select **EXT billing** and press **OK.**

- Enter the room number of the room costs to be printed and press **OK**.

## Alarm clock

Permits the setting of a room's alarm clock.

- Select **Alarm clock** and press **OK**.

*If the room is connected with a PERSONAL PHONE or a Time 3000S telephone, alarm clock active status will be indicated on the display with the* ⏰ *icon.*

*Single*

Sets an alarm for a single day (rings one single time).

- Select **Single** and press **OK**.
- Enter the room number where the alarm clock is to be set and press **OK**.
- Enter the alarm time in the HHMM format (HH=hour – 2 digits, MM=minutes– 2 digits) and press **OK**.

*Recurrent*

Sets an alarm for each day (rings every day at the same time).

- Select **Recurrent** and press **OK**.
- Enter the room number where the alarm clock is to be set and press **OK**.
- Enter the alarm time in the HHMM format (HH=hour – 2 digits, MM=minutes– 2 digits) and press **OK**.

*Disable*

Cancels any alarm clock settings.

- Select **Disable** and press **OK**.
- Enter the room number where the alarm clock is to be set and press **OK**.

## Credit

Permits the visualisation or setting of pre-paid room credit.

- Select **Credit** and press **OK**.

*Show*

Displays the relative amount for a room (or the remaining credit if on pre-paid mode).

- Select **Show** and press **OK**.
- Enter the room number information is wanted for and press **OK**.

*Add*

Adds money to a pre-paid room credit.

- Select **Add** and press **OK**.
- Enter the number of the room to receive the added credit and press **OK**.
- Enter the amount to be added (press * to insert a comma).
- Press **OK**.

## Room state

Permits visualisation of the information relative to a room: occupied/free, cleaned/not cleaned, extension in use/free.

- Select **Room state** and press **OK**.
- Enter the room number information is wanted for and press **OK**.

## Check-out

Permits the disabling of outgoing room calls.

- Select **Check-out** and press **OK**.
- Enter the number of the room undergoing check-out and press **OK**.

  *A message on the room telephone display will ask if a printout of the room telephone log is desired.*

- Select **YES** if a printout of the telephone log is desired or **NO** if a printout is not desired.
- Press **OK** to confirm, press **CANC** to cancel.

  *In case of switchboards Smile PLUS and FOX 90, the telephone log printout function will be in effect only if the switchboard buffer is active and in the absence of the P.O. Smile PLUS or ST800-S consoles.*

## *VERSION*

Displays the telephone software version.

- Select **Version** and press **OK**.

# PHONE LOCK

Permits the blocking of outgoing telephone use to anyone who does not know the unblock code.

- Select **Phone lock** and press **OK**.
- Enter the code to block the telephone (preset manufacturer code 0000) and press **OK**.

If the password entered is valid, the telephone changes its status from blocked to unblocked.

The telephone's blocked status is indicated by the icon on the display.

**We recommend that you take note of the password; contact the installer if it is lost.**

*Unblocking the telephone*

When the telephone is blocked, no signal will be heard when the handset is lifted and the message "Unblock code" is displayed when any number keys are pressed.

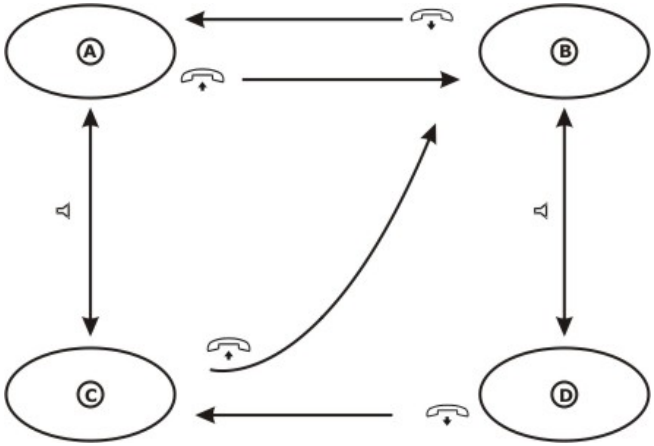
- Enter the unblock code and press **OK**.

# ANSWER AND CALL

The modalities for answering incoming phone calls, the different modes for selecting a local line and using handsfree are outlined below.

*To place any type of telephone call, the telephone must be unblocked (🔑 icon off).*

## MODE OF USE (HANDSET, HEADSET, HANDSFREE)




A: Idle telephone status
B: Handset conversation status
C: Handsfree conversation status
D: Handset conversation and amplified listening status

Handsfree key pressed

Handset closing

Handset opening

The preceding diagram demonstrates how to pass from one mode of use to another.

The available modes of use are:

- Free

- Handset/Telephone headset
- Handsfree
- Amplified listening

*Remember that use of the telephone headset is equivalent to handset use, with the difference that it is necessary to press the* *key to activate and deactivate the headset.*

# *ANSWERING CALLS*

The presence of an incoming call is indicated by ringer tones and by messages visualised on the display. The type of ringer indicates the type of call (internal, external, intercom, etc.),

- Lift the handset, activate the handsfree or activate the telephone headset.

*Press the* *key to deactivate (and reactivate) the ringer. The switching on of the corresponding icon indicates that the ringer has been deactivated.*

# *MAKING CALLS*

## Normal mode

It is possible to send numbers on the telephone line for all types of operations: inside, outside calls or service requests.

- Lift the handset, activate handsfree or the telephone headset.
- Dial the number.

*After approximately 15 seconds after the last digit is dialled, the display will begin showing the time passed and, if available, the cost of the telephone call in progress (the* € *icon will light up).*

*Press the RP key to pause.*

## Advanced mode

Permits the user to dial the number to be called when the handset is then lifted.

- Dial the number.
- Lift the handset, activate the handsfree or the telephone headset.

*In case of erred dialling, it is possible in this mode to correct the number selected, cancel the dialled digits with the ◀ key and redial.*

*Press the RP key to pause.*

# *DIRECT DIAL CALL*

Sends a call by simply pressing a direct dial key. The direct dial keys are the 16 keys under the display and the DSS keys, if programmed as "Direct dial."

- Press a direct dial key.

*The line becomes automatically engaged in handsfree if the user presses the direct dial key without lifting the handset.*

*Pressing a second direct dial key will automatically generate a flash before the user dials a new number.*

# *SPEED DIAL CALLS TO THE 10 CONTACTS INDEX NUMBERS*

Make a call pressing the 🕮 key (2 sec.) and the key (0~9) associated with the phonebook number programmed: "Speed dial" (see page 28).

- Keep pressing the **Phonebook** 🕮 key.

The "Speed dial" menu will be shown on the display.

- Press the key (0~9) associated with the contacts index number to be called.

*The line becomes automatically engaged in handsfree if the user presses the direct dial key without lifting the handset.*

## LAST NUMBER REDIAL

Repeat the last number dialled.

- Press the **RP** key.

*The line becomes automatically engaged in handsfree if the user presses the direct dial key without lifting the handset.*

*If the automatic access function to the external line is active, it is not necessary to select an external line manually before pressing the RP key, even if the previous call line was selected manually.*

*If the automatic access function to the external line is deactivated, the RP key will only repeat those digits shown on the display; therefore, if the previous call line was selected manually, it is necessary to access the line manually and then press the RP key.*

## REDIAL A NUMBER FROM THE CALLS LIST

Permits the user to redial numbers present in the outgoing, incoming and missed calls lists.

- Press the ◀, ▶ and **R** keys to visualise, respectively, the incoming, outgoing or lost calls log.
- Utilise the scroll keys to select the number to be redialed.
- Press **OK**.

"Call" will be shown on the display.

- Press **OK** to confirm.

# *REDIAL A NUMBER FROM THE PHONEBOOK*

Permits the automatic dialling of telephone numbers memorised in the phonebook.

## Redial a number from the phonebook without selecting a line

- Press the **Phonebook** 🕮 key.
- Select the name of the person to be called utilising the alphanumeric keypad or the scroll keys.
- Press **OK** two times.

## Redial a number from the phonebook, with line selection

Permits the selection of the line on which to carry out the phone call.

- Press the **Phonebook** 🕮 key.
- Select the name of the person to be called utilising the alphanumeric keypad or the scroll keys.
- Press the key corresponding to the line to be utilised for the call.

# *REDIAL A NUMBER FROM THE SWITCHBOARD PHONEBOOK*

Permits automatic dialling of telephone numbers previously memorised in the switchboard phonebook.

- Press the **PBX** key.
- Dial the digits indicating the position of the number in the phonebook (2 or 3 digits based on the switchboard being utilised; consult the related manual).
- Press **OK**.

## LISTENING VOLUME

This procedure allows the user to temporarily regulate listening volume. Variations in volume depend on the function mode in which the telephone is being used; therefore, if the telephone is in handsfree mode, the handsfree volume will be regulated and so on for all other modes.

- Press the volume key and use the scroll keys to change the volume level.

  *This function is active only when the line is in use.*

  *The volume changes made in this mode are only temporary. The volume level will return to the menu default volume for the next call.*

## MICROPHONE DEACTIVATION

Permits deactivation of the microphone during a conversation.

- Press the deactivate microphone key to change its status from active to inactive.

  *This function is active only when the line is in use.*

  *The symbol on the display indicates that the microphone has been deactivated.*

## CALL HOLD

Permits the user to put the caller on hold and then carry out a new function.

- Press the **R** (flash) key.

  *This function is active only when the line is in use.*

## CALL UNHOLD

Permits the telephone line to be reopened without having to hang up the handset.

- Press the **L** key.

  *This function is active only when the line is in use.*

  *The line will be closed for approximately 0.5 seconds before being reopened.*

# ALARMS FROM EXTENSIONS (CT624 HOTEL, SMILE PLUS, FOX 90)

An alarm from extension to system manager is generated in case of anomalous situations that request the operator's intervention (such as rescue call or missed wake-up).

## *MISSED WAKE-UP*

This alarm is activated by the wake-up function in case of no reply from the extension.

### Initial situation

The extension rings for a wake-up call.
The wake-up call is not answered within 2 minutes.
The manager telephone rings. The message "WARNING -2" appears on the display followed by the number of the extension that has generated the signal.

*The alarm tone is sent in case of conversation in progress.*

### Reset

- Lift the handset or press the flash key if a conversation is in progress.
- Dial 355.

The message on the display is deleted.
An automatic call is sent to the extension that has not answered to the wake-up call. Two situations are possible based on the status of the room telephone.

*The room telephone is free*

The room telephone rings.
The user answers the call to talk with the operator.
If not, the operator must check the situation out.

The room telephone is busy

The operator must check the situation out.

*Simultaneous wake-up calls are queued and sent in chronological order at the end of each wake-up call procedure.*

*The list of wake-up calls can be displayed by printing the traffic documentation of the manager extension.*

# *RESCUE CALL*

This function can be activated only from the extensions provided with help call socket to inform the manager extension that the help button has been pressed.

## Initial situation

The help button is pressed.

The manager telephone rings.

The message "WARNING-1" appears on the display followed by the number of the extension that has generated the signal.

*The alarm tone is sent in case of conversation in progress.*

- Lift the handset to interrupt ringing. If a conversation is in progress, place the call on hold to interrupt the alarm tone.

*The complete cycle is activated again if the reset is not executed within 30 seconds.*

*The reset can be executed either from the room or the manager, according to programming.*

## Reset from the room telephone

- Lift the handset of the telephone connected to the socket that has originated the help call.
- Dial 355.

The message on the display of the manager telephone is deleted.

## Reset from the manager telephone

- Lift the handset or press the flash key if a conversation is in progress.
- Dial 355.

The message on the display is deleted.

An automatic call is sent to the extension that has made the help call. Two situations are possible based on the status of the room telephone.

*The room telephone is free*

The room telephone rings.

The user answers the call to talk with the operator.

If not, the operator must check the situation out.

*The room telephone is busy*

The operator must check the situation out.

*The reset mode is programmed during installation. Reset from the room is set by default to guarantee the actual intervention of the hotel staff.*

*Simultaneous help calls are queued and sent in chronological order at the end of each help call procedure.*

*The list of help calls can be displayed by printing the traffic documentation of the administrator telephone.*

# TELEPHONE SERVICES

All Esse-Ti switchboard services accessible on the PERSONAL PHONE keys as set by the manufacturer or programmed by the user are described below, with notes describing which switchboards are equipped with said service.

*During a key programming phase, not all services present in the switchboards are indicated in the switchboard "Function" menu. It is possible, however, to associate said services with a key by memorising the code.*

## *INTERCOM CONNECTION*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Establishes a conversation with the external intercom system in switchboards equipped with intercom boards.

*If the line being called is in use, the caller will be put into hold status.*

- Press the **Intercom** key.
- Carry out the intercom conversation.
- Hang up the handset.

If the line was in use, the telephone will ring.

- Lift the handset to return to the interrupted conversation.

## *OPENING PORTS 1 AND 2*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Opens port 1 or port 2.

*If the line being called is in conversation, the caller will be put into hold status.*

- Press the 1 key (or the 2 key).
- Wait for the confirmation tone and hang up.

If the line was in use, the telephone will ring.

- Lift the handset to return to the interrupted conversation.

## PAGER AMPLIFIER

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Permits an announcement to be made on the external amplifier connected to the telephone switchboard.

*If the line being called is in use, the caller will be put into hold status.*

- Press the **AMP** key.
- Make the announcement.
- Hang up the handset.

If the line was in use, the telephone will ring.

Lift the handset to return to the interrupted conversation.

## ROOM MONITOR

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | | | | |

Allows the user to listen in on an area where another telephone has been positioned.

*Presetting the telephone in the room to be checked:*

- Press the **ROOM MONITOR** key.

"Preset?" will be shown on the display.

- Press **OK**.

After the confirmation tone, "Ready" will be shown on the display.

*Operations to perform from the control position:*

- Press the **ROOM MONITOR** key.

"Preset?" will be shown on the display.

- Utilise the scroll keys to select **Enable** and press **OK** to confirm.

"Select extension" will be shown on the display.

- Enter the extension desired and press **OK** to confirm.

"Activated" will be shown on the display.

## *ALARM CLOCK*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | ✓ (B/Star) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

With this function, it is possible to set an alarm clock to a given hour from the telephone switchboard. It is possible to set a single or daily alarm clock.

*To set the alarm schedule:*

- Press the key.
- Utilise the scroll keys to select **Single** or **Recurrent** and press **OK**.
- Enter the hour desired for the alarm clock call.
- Press **OK** to confirm.

*The symbol on the display indicates that the alarm function has been activated.*

*The Europa 280B and Star switchboards are only equipped with the single alarm clock function.*

*To cancel the alarm:*

- Press the key.
- Utilise the scroll keys to select **Disable** and press **OK**.

*The symbol will then be removed from the display.*

## *DO NOT DISTURB*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Deactivates incoming calls on a selected telephone.

*To set the Do not disturb function:*

- Press the **DO NOT DISTURB** key.

"Enable" will be shown on the display.

- Press **OK** to confirm.

*To cancel the Do not disturb function:*

- Press the **DO NOT DISTURB** key.
- Utilise the scroll keys to select **Disable** and press **OK**.

## *R-PULSE OVER THE TRUNK LINE*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Permits the user to send an outside line flash to access supplementary services offered by the line administrator.

*This function is active only when the line is in use.*

- Press the **R-PULSE OVER THE TRUNK LINE** key.

## *BOSS-SECRETARY*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | | | | |

This service allows calls directed to the "Boss" extension be forwarded to the "Secretary" extension for call screening. The "Secretary" extension is the only extension which can call the "Boss" extension.

*To activate the Boss-Secretary function:*

From the "Boss" extension:

- Press the **BOSS-SECRETARY** key.

"Enable" will be shown on the display.

- Press **OK** to confirm.
- Enter the secretary extension number and press **OK**.
- After a continuous tone of approximately 4 seconds, enter ***** to confirm.

*The ↳ icon will be displayed on the extension where the service was activated ("Boss" extension).*

*To deactivate the Boss-Secretary service:*

- Press the **BOSS-SECRETARY** key.
- Utilise the scroll keys to select **Disable** and press **OK**.
- After a continuous tone of approximately 4 seconds, enter ***** to confirm.

## CALL FORWARDING ON NO ANSWER

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Forwards incoming outside calls to another extension if the call is not answered within a preset time.

*To activate this service:*

- Press **CALL FORWARDING**.

"On no answer" will be shown on the display.

- Press **OK** to confirm.

"Enable" will be shown on the display.

- Press **OK** to confirm.
- Enter the extension number where calls should be forwarded and press **OK**.

*The ↳ symbol on the display indicates that the Call Forwarding function has been activated (CT624, Polaris, Smile and FOX switchboards only).*

*To deactivate this service:*

The deactivation of the Call forward on no answer service is differentiated according to which switchboard the PERSONAL PHONE is connected to.

CT312 and CT416 switchboards:

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Press **OK** to confirm

"Enable" will be shown on the display.

- Press **OK** to confirm.
- Enter the user's extension number and press **OK**.

Other switchboards:

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Press **OK** to confirm

"Enable" will be shown on the display.

- Utilise the scroll keys to select **Disable** and press **OK**.

## *CALL FORWARDING ON BUSY*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | ✓ | ✓ | ✓ |

Forwards incoming calls to another telephone if the extension is busy.

*To activate this service:*

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Utilise the scroll keys to select **On busy** and press **OK**.

"Enable" will be shown on the display.

- Press **OK** to confirm.
- Enter the extension number where calls should be forwarded.
- Press **OK** to confirm.

*The ↳ symbol on the display indicates that the Call Forwarding function has been activated.*

*To deactivate this service:*

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Utilise the scroll keys to select **On busy** and press **OK**

"Enable" will be shown on the display.

- Utilise the scroll keys to select **Disable** and press **OK**.

## *FOLLOW ME*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Forwards all incoming calls to another telephone.

*To activate this service:*

- Press **CALL FORWARDING**.

"On no answer" will be shown on the display.

- Utilise the scroll keys to select **Follow me** and press **OK**.

"Enable" will be shown on the display.

- Press **OK** to confirm.
- Enter the extension number to which all calls should be forwarded.
- Press **OK** to confirm.

*The ↳ symbol on the display indicates that the Call Forwarding function has been activated.*

*To deactivate this service:*

The deactivation of the Follow me service is differentiated according to which switchboard the PERSONAL PHONE is connected to.

CT312 and CT416 switchboards:

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Utilise the scroll keys to select **Follow me** and press **OK**.

"Enable" will be shown on the display.

- Press **OK** to confirm.

- Enter the user's extension number.
- Press **OK** to confirm.

Other switchboards:

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Utilise the scroll keys to select **Follow me** and press **OK**.

"Enable" will be shown on the display.

- Utilise the scroll keys to select **Disable** and press **OK**.

## CANCEL ALL CALL FORWARDING

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | ✓ | ✓ | ✓ |

Permits the cancellation of all call forwarding set on an extension.

- Press the **CALL FORWARDING** key.

"On no answer" will be shown on the display.

- Utilise the scroll keys to select **Disable** and press **OK**.

## THREE-WAY CONFERENCE

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Permits simultaneous conversations among three separate speakers.
This function must be used when a conversation is in progress while the third speaker is on hold.

- Press the **THREE-WAY CONFERENCE** key.

## AUTOMATIC RING BACK

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

When an extension dialled is busy or to access a busy outside line, activating this service generates a call as soon as that monitored line is free.

*To activate this service:*

Europa, TA28, CT312 and CT416 switchboards:

- Upon hearing a busy tone, press the **AUTOMATIC RING BACK** key.

"Done" will be shown on the display.

Leonardo, CT624, Polaris PLUS and Smile PLUS switchboards:

- Upon hearing a busy tone, press the **AUTOMATIC RING BACK** key.

"Enable" will be shown on the display.

- Press **OK** to confirm.

*To deactivate this service:*

Europa, TA28, CT312 and CT416 switchboards:

It is not possible to disable the service.

Leonardo, CT624, Polaris PLUS and Smile PLUS switchboards:

- Press the **AUTOMATIC RING BACK** key.

"Enable" will be shown on the display.

- Utilise the scroll keys to select **Disable** and press **OK**.

## *CALL INTRUDE*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | | | | |

Permits an extension to intrude into a conversation on another busy extension on another line.

Initial situation: the extension being called is busy in another conversation.

- After having received a busy tone on the extension being called, press the **CALL INTRUDE** key.

## CALL PICK-UP

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Permits the user to answer an outside call from a different extension.

- Press the **CALL PICK-UP** key.

## SELECTIVE CALL PICK-UP

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | ✓ | ✓ | ✓ |

Permits the user to answer a direct call from a different extension.

- Press the **SELECTIVE CALL PICK-UP** key.
- Dial the number of the extension to be intercepted.
- Press **OK** to confirm.

## CALL RETURN

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | ✓ | ✓ | ✓ |

Permits the user to dial the last extension which called.

- Press the **CALL RETURN** key.

## TRUNK LINE SELECTION

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Permits the user to choose the outside line on which the conversation shall be carried out.

- Press the key corresponding to the desired line (buttons **L1** – **L10** depending on the preset switchboard or any key programmes).

## CALL PARKING

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Allows the temporary interruption of a conversation with an outside caller, to be started up again later from the same extension or from another telephone.

*Trunk line parking*

This function is available when an outside line conversation is in use.

- Press the P key to park the call.

  *Call parking status is indicated by its corresponding flashing LED.*

*Resume the call parked*

Europa and TA28 switchboards:

- Lift the handset, activate the handsfree or the telephone headset.
- Press the P key.

CT312 and CT416 switchboards:

- Keep the P key pressed.

The parked call will be indicated on the display with the letter P.

- Enter the number of the desired line (1~4).

Leonardo, CT624, Polaris PLUS and Smile PLUS switchboards:

- Press one of the **L1** – **L10** buttons to resume on the desired line.

## PAGING

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | ✓ | ✓ | ✓ | ✓ | ✓ |

Allows the user to call an extension equipped with a system telephone (PERSONAL PHONE, Time3000 etc.) directly with handsfree.

- Press the **PAG** key.
- Enter the extension number to be paged.
- Press **OK** to confirm.

## TRUNK-TRUNK CONVERSATION

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | ✓ | ✓ | ✓ |

Permits the connection of two local lines via an operator.

- Press the **TRUNK-TRUNK CONVERSATION** key.

## CHECK-IN

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 Hotel | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ✓ |

Permits the internal system administrator to enable outside calls in a room.

- Press the **CHECK-IN** key.
- Follow the instructions on the display.

## CHECK-OUT

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 Hotel | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ✓ |

Permits the internal system administrator to disable outside calls in a room.

- Press the **CHECK-OUT** key.
- Follow the instructions on the display.

## ROOM STATE

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 Hotel | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ✓ |

Permits the internal system administrator to visualise room status information.

- Press the **ROOM STATE** key.
- Enter the room number for which information is desired.
- Press **OK** to confirm.

## PRINTS

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 Hotel | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | ✓ | ✓ |

Permits the internal system administrator to execute different types of printouts.

*In case of switchboards Smile PLUS and FOX 90, all available printouts are active only if the P.O. Smile PLUS or ST800-S consoles are not connected.*

- Press the **PRINTS** key.
- Select the type of printout desired and press **OK**.

*Cancel printing*

Permits the internal system administrator to cancel printing in progress.

- Press the **PRINTS** key.

"Cancel" will be shown on the display.

- Press **OK** to confirm.

## BOOTH

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 Hotel | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ✓ |

Permits the internal system administrator to access activation, deactivation and cost visualisation functions related to phone boxes.

- Press the **BOOTH** key.
- Follow the instructions on the display.

## CREDIT

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 Hotel | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ✓ |

Permits the internal system administrator to visualise and add credit to extensions.

- Press the **CREDIT** key.

- Follow the instructions on the display.

## *LISTEN TO MESSAGES IN THE VOICE MAIL UNIT*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | ✓ | | |

Permits the user to listen to voice mail messages.

- Press the **LISTEN TO MESSAGES IN THE VOICE MAIL UNIT** key.
- Enter the password and press **OK**.

## *GSM CREDIT*

| Europa 160 | Europa 280/Star | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| | | | | | ✓ | | | |

Permits the user to visualise remaining SIM card credit.

- Press the **GSM CREDIT** key.

# SERVICE TABLE

The following table shows the services that can be accessed from the telephone according to the type of switchboard.

| | Europa | TA 28 | CT 312 | CT 416 | Leonardo | CT624 | Polaris+ | Smile+ |
|---|---|---|---|---|---|---|---|---|
| Intercom connection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ports 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ports 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Amplifier | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Room monitor | ✓ | ✓ | ✓ | ✓ | | | | |
| Alarm clock | 280B/Star | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Do not disturb | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| R-pulse over trunk line | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Boss-Secretary | ✓ | ✓ | ✓ | ✓ | | | | |
| Call forw. on no answer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Call forwarding on busy | | | | | ✓ | ✓ | ✓ | ✓ |
| Follow me | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cancel all call forw. | | | | | ✓ | ✓ | ✓ | ✓ |
| Three-way conference | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic ring back | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Call intrude | ✓ | ✓ | ✓ | ✓ | | | | |
| Call pick-up | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Selective call pick-up | | | | | ✓ | ✓ | ✓ | ✓ |
| Call return | | | | | ✓ | ✓ | ✓ | ✓ |
| Trunk line selection | 280/Star | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Call parking | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Paging | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Check-in | | | | | | Hotel | | ✓ |
| Check-out | | | | | | Hotel | | ✓ |
| Room state | | | | | | Hotel | | ✓ |
| Prints | | | | | | Hotel | ✓ | ✓ |
| Booth | | | | | | Hotel | | ✓ |
| Credit | | | | | | Hotel | | ✓ |
| Trunk-trunk conversat. | | | | | ✓ | ✓ | ✓ | ✓ |
| Listen to messages in the voice mail unit | | | | | ✓ | ✓ | | |
| GSM credit | | | | | ✓ | | | |

# QUICK KEY USER GUIDE

| | |
|---|---|
| **Programme a key** | Press the key to be programmed for 2 seconds and follow the instructions on the display. |
| **Access the outgoing calls log** | Press the ▶ key. |
| **Access the incoming calls log** | Press the ◀ key. |
| **Access the missed calls log** | Press the **R** key. |
| **Access the "Speed dial" menu** | Press the 🕮 key for 2 seconds. |
| **Access the "Ringer volume" menu** | Press the key for 2 seconds. |
| **Access the "Audio" menu** | Press the key for 2 seconds. |
| **Visualise outside line status** | Press the P key for 2 seconds.<br><br>Legend:<br>□ LINE FREE<br>■ LINE BUSY<br>**R** INCOMING CALLS<br>**H** CALL ON HOLD<br>**P** PARKED CALL |

# TECHNICAL SPECIFICATIONS

Dimensions .....235 x 220 x 120 mm.
Weight .....918 g.

## *EMERGENCY FUNCTIONING*

In case of power cut and connection to a PABX extension with emergency functioning, the telephone works as a normal BCA. For this kind of working it is sufficient to connect the two internal wires.

## *CE CONFORMITY DECLARATION*

Esse-ti s.r.l., with registered seat in Zona Ind. Squartabue, I-62019 Recanati (MC), Italy, hereby declares that this device complies with the following standards:

- EN50082-1, EN55022 (Electromagnetic compatibility)
- EN41003, EN60950 (Electric safety)

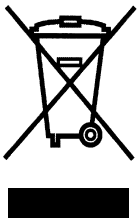
and also with the requirements of the 1999/5/CE Directive issued by the European Parliament and by the Council on 9 March 1999 on radio sets, telecommunication terminals and the mutual acknowledgement of their conformity.

Compliance with the above requirements is shown with CE

## Designed use of the device

This device has been designed for use in connection with PSTN.

# WARNING



This appliance is marked according to the European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

The symbol (above) appears on this product. It indicates that the product should not be disposed of as unsorted household waste, but by means of separate collection.

Electrical and electronic equipment may contain pollutants having a negative impact on both the environment and the human health. The WEEE should be therefore returned to the local collection points, in order to ensure proper treatment, or it should be returned to the reseller upon the purchase of an equivalent product.

Esse-ti srl wishes to inform its customers that the unauthorized treatment of WEEE is punished by the law and harmful to the environment and the human health.

Personal Phone
17/07/2008

N.

N.

N.

N.

## GUARANTEE

The guarantee must be submitted when claiming defects for the following product:

Model

Serial N°

Dealer's signature and stamp

Proof of purchase

Purchaser's signature

# WARRANTY CERTIFICATE

N.

# WARRANTY CONDITIONS

1 In order to claim warranty rights the purchaser must fill out the guarantee completely and enclose proof of purchase.

2 Esse-ti warrants this product under articles 128 and following of the legislative decree n° 206/2005. The warranty term is two years. Six months after the purchase date, the purchaser shall prove that the defect is attributable to faults existing upon delivery. Defects must be claimed within two months from identification. The manufacturer shall have the right to refuse free intervention in case of defects caused by improper use, incorrect installation for user's fault or external factors. Moreover, the manufacturer shall have the right to refuse assistance if defects are claimed two months after identification. The technical assistance under warranty shall be exclusively provided by Esse-Ti service centers or by the mother company upon authorization from Esse-Ti service centers.

3 When requesting repairs under warranty, the purchaser shall submit this certificate with all requested information together with proof of purchase showing the product origin.

4 The guarantee exclusively covers defects that cause product malfunctioning. The product under warranty must have the serial number indicated on this certificate, otherwise the warranty shall be void. The term "warranty" shall exclusively mean free of charge repair or replacement of components identified as defective in manufacturing or materials, including workmanship.

5 The warranty shall not apply in case of damages caused by negligence, use or installation not compliant with instructions, damages caused by interventions of unauthorized personnel, damages caused by accidental causes and/or user's negligence, with particular reference to external parts. Moreover, the warranty shall not apply in case of faults caused by connecting the device to different voltages than indicated or sudden voltage variations in the mains, as well as in case of damages caused by inductive/etrostatic discharges or discharges due to lightening or other external phenomena.

6 The warranty shall not apply to parts subject to wear because of use, batteries (if supplied), connections cables and cords, connectors, external parts and plastic supports free of manufacturing defects.

7 The warranty does not include compensation of direct and indirect damages caused to individuals, objects and animals for use, misuse or suspended use during repair.

8 The guarantee shall expire 24 months after the purchase date. After this date, service shall be provided by charging the cost of replacements and workmanship according to the current rates.

9 The Court of Macerata shall have the exclusive jurisdiction in case of disputes..

1° Guarantee for repair

2° Guarantee for repair

3° Guarantee for repair

4° Guarantee for repair